

Notice of Allowability

Application No.

09/829,461

Examiner

HUNG Q. PHAM

Applicant(s)

STREEPY, LARRY V.

Art Unit

2168

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 03/20/06.
2. ☒ The allowed claim(s) is/are 42-45 and 48-50.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 05102006.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.



TIM VO
PRIMARY EXAMINER

EXAMINER'S AMENDMENT

- An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

- Authorization for this examiner's amendment was given in a telephone interview with Steven Wigmore, on 05/10/2006.

- In the CLAIMS filed on 03/20/2006, please
CANCEL claims 31-41, 46, 47 and 61-73.
REPLACE claims 42-45 and 48-50 by the clean version (without underlined and crossed mark) amended by examiner as below:

Claim 42 A system for interfacing with a multi-level data structure comprising:
a computer;
a display communicably connected to the computer;
a memory communicably connected to the computer for storing the
multi-level data structure;
a computer program resident on the computer for:
 selecting a health language concept object stored in the multi-level
 data structure;
 displaying a first image in a first window comprising an
 alphanumeric string representing the selected health language
 concept object on the display;
 displaying one or more second images on the display and along
 one or more respective geometrical rays originating from a central
 region of the first image, each second image comprising an
 alphanumeric string representing a parent health language concept
 object of the selected health language concept object and displaying a
 first symbol on the display along each respective geometrical ray
 originating from the central region of the first image;
 if the selected health language concept object has one or more
 child health language concept objects, displaying one or more third
 images on the display and along one or more respective geometrical
 rays originating from the central region of the first image, each third
 image comprising an alphanumeric string representing a child health
 language concept object of the selected health language concept

object and displaying a second symbol on the display along each respective geometrical ray originating from the central region of the first image;

if the selected health language concept object has one or more lateral health language concept objects, displaying one or more fourth images on the display and along one or more respective geometrical rays originating from a central region of the first image, each fourth image comprising an alphanumeric string representing a lateral health language concept object of the selected health language concept object and displaying a third symbol on the display along each respective geometrical ray originating from the central region of the first image;

positioning all second, third, and fourth images in locations around the first image such that the first image comprises a geometrical center in the first window relative to all symbols on the display;

displaying an editable text list in a second window in response to objects selected in the first window, the text list comprising information relating to at least one of a selected health language concept object, parent health language concept object, child health language concept object, and a lateral health language concept object; and

displaying one or more attributes of the selected health language concept object in a first viewing area on the display, wherein the attributes comprise at least one of a billing code and a medical code;

receiving input for one of modifying, removing, and creating relationships between health language concept objects.

- Claim 43** The system as recited in Claim 42 wherein the computer program:
- selects a new health language concept object from one of the selected health language concept object, the one or more parent health language concept objects, one or more children health language concept objects, and one or more lateral health language concept objects;
 - displays a fifth image on the display comprising the selected new health language concept object; displays one or more sixth images on the display, each sixth image comprising a parent health language concept object of the selected new health language concept object;
 - displays a fourth symbol on the display illustrating an association between each sixth image and the fifth image;
 - if the selected new health language concept object has one or more child health language concept objects, displays one or more seventh images on the display, each seventh image comprising a child health language concept object of the selected new health language concept object, and displays a fifth symbol on the display illustrating an association between each seventh image and the fifth image; and
 - if the selected health language new concept object has one or more lateral health language concept objects, displays one or more eighth image comprising a lateral health language concept object of the selected new health language concept object, and displays a sixth symbol on the display illustrating an association between each eighth image and the fifth image.

- Claim 44 The system as recited in Claim 42 wherein the first, second, third and fourth images comprise text strings and wherein the first image is highlighted.
- Claim 45 The system as recited in Claim 42 wherein the computer program displays the first, second, third and fourth images, and the first, second and third symbols within a second viewing area on the display.
- Claim 48 The system as recited in Claim 45 wherein the computer program displays one or more terms associated with the selected health language concept object in a third viewing area on the display.
- Claim 49 The system as recited in Claim 48 wherein the computer program displays a work area for temporarily storing terms in a fourth viewing area on the display.
- Claim 50 The system as recited in Claim 42 wherein the computer program:
 selects either a microglossary panel, a term facet panel, a relations facet panel or a term phrase editor panel; and
 displays the selected panel in a second viewing area on the display.

Allowable Subject Matter

Claims 42-45 and 48-50 (renumbered 1-7) are allowed.

Art Unit: 2168

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to HUNG Q. PHAM whose telephone number is 571-272-4040. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TIM T. VO can be reached on 571-272-3642. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



HUNG Q PHAM
Examiner
Art Unit 2168

May 11, 2006



TIM VO
PRIMARY EXAMINER